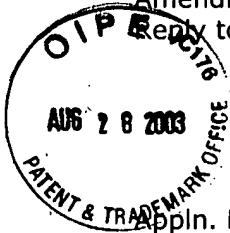


Appln. No.: 10/045,325  
Amendment Dated: August 26, 2003  
Reply to Office Action of: June 10, 2003

MAT-8191US



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

*6/1a*  
*Myusa*  
*9/10/03*

Appln. No: 10/045,325  
Applicant: Naomi Goto, et al  
Filed: October 25, 2001  
Title: ELECTRIC CIRCUIT OF ELECTRIC VEHICLE  
TC/A.U.: 2837  
Examiner: Patrick L. Miller  
Confirmation No.: 2446  
Docket No.: MAT-8191US

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TECHNOLOGY CENTER 2800

**AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Responsive to the Office Action dated June 10, 2003, please amend the above-identified application as follows:

- ☒ **Amendments to the Specification** begin on page **2** of this paper.
- ☒ **Amendments to the Claims** are reflected in the listing of claims which begins on page **3** of this paper.
- ☐ **Amendments to the Drawings** begin on page \_\_\_\_\_ of this paper and include an attached replacement sheet(s).
- ☐ **Amendments to the Abstract** are on page \_\_\_\_\_ of this paper. A clean version of the Abstract is on page \_\_\_\_\_ of this paper.
- ☒ **Remarks/Arguments** begin on page **10** of this paper.



\$2837

PTO/SB/21 (05-03) (AW 07-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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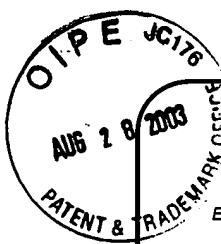
<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application Number	10/045,325
	Filing Date	October 25, 2001
	First Named Inventor	Naomi Goto, et al
	Art Unit	2837
	Examiner Name	Patrick L. Miller
Total Number of Pages in This Submission <u>20</u>	Attorney Docket No.	MAT-8191US

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached  <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/Declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Response to Missing Parts/ Incomplete Application  <input type="checkbox"/> Response to Missing Part under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert to a Provisional Application  <input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):  Return Postcard
<b>Remarks:</b>		
<div>RECEIVED SEP - 2 2003 TECHNOLOGY CENTER 2800</div>		
SIGNATURE OF APPLICANT, ATTORNEY OR AGENT		
Firm or Individual	Daniel N. Calder	Registration No. (Attorney/Agent) 27,424
Signature	<i>Daniel N. Calder</i>	
Date	August 26, 2003	

CERTIFICATE OF TRANSMISSION / MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date:			
			August 26, 2003
Name (Print/Type)	Daniel N. Calder		
Signature	<i>Daniel N. Calder</i>	Date	August 26, 2003

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, ALEXANDRIA, VA 22313-1450.

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# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 168

## Complete if Known

Application Number	10/045,325
Filing Date	October 25, 2001
First Named Inventor	Naomi Goto, et al
Examiner Name	Patrick L. Miller
Art Unit	2837
Attorney Docket No.	MAT-8191US

## METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money ☐ Other ☐ None  
Order

☒ Deposit Account:

Deposit Account Number: 18-0350  
Deposit Account Name: RatnerPrestia

The Commissioner is authorized to: (check all that apply)

- ☐ Charge fee(s) indicated below  
☒ Credit any overpayments  
☒ Charge any additional fee(s) during the pendency of this application  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	2001	750	375			Utility filing fee	
1002	2002	330	165			Design filing fee	
1003	2003	520	260			Plant filing fee	
1004	2004	750	375			Reissue filing fee	
1005	2005	160	80			Provisional filing fee	
SUBTOTAL (1)							(\$0)

### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	16	-20**	=	0	X	Fee from below	=	0	Fee Paid
Independent Claims	5	-3**	=	2	X	84	=	168	
Multiple Dependent					X		=	0	
Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description			
1202	2202	18	9			Claims in excess of 20			
1201	2201	84	42			Independent claims in excess of 3			
1203	2203	280	140			Multiple dependent claim, if not paid			
1204	2204	84	42			** Reissue independent claims over original patent			
1205	2205	18	9			** Reissue claims in excess of 20 and over original patent			
SUBTOTAL (2)							(\$168)		

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	2051	130	65			Surcharge - late filing fee or oath	
1052	2052	50	25			Surcharge - late provisional filing fee or cover sheet	
1053	1053	130	130			Non-English specification	
1812	1812	2,520	2,520			For filing a request for ex parte reexamination	
1804	1804	920*	920*			Requesting publication of SIR prior to Examiner action	
1805	1805	1,840*	1,840*			Requesting publication of SIR after Examiner action	
1251	2251	110	55			Extension for reply within first month	
1252	2252	410	205			Extension for reply within second month	
1253	2253	930	465			Extension for reply within third month	
1254	2254	1,450	725			Extension for reply within fourth month	
1255	2255	1,970	985			Extension for reply within fifth month	
1401	2401	320	160			Notice of Appeal	
1402	2402	320	160			Filing a brief in support of an appeal	
1403	2403	280	140			Request for oral hearing	
1451	1451	1,510	1,510			Petition to institute a public use proceeding	
1452	2452	110	55			Petition to revive - unavoidable	
1453	2453	1,300	650			Petition to revive - unintentional	
1501	2501	1,300	650			Utility issue fee (or reissue)	
1502	2502	470	235			Design issue fee	
1503	2503	630	315			Plant issue fee	
1460	1460	130	130			Petitions to the Commissioner	
1807	1807	50	50			Processing fee under 37 CFR 1.17(q)	
1806	1806	180	180			Submission of Information Disclosure Stmt	
8021	8021	40	40			Recording each patent assignment per property (times number of properties)	
1809	2809	750	375			Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	2810	750	375			For each additional invention to be examined (37 CFR § 1.129(b))	
1801	2801	750	375			Request for Continued Examination (RCE)	
1802	1802	900	900			Request for expedited examination of a design application	
Other fee (specify)							
*Reduced by Basic Filing Fee Paid							
SUBTOTAL (3)							(\$0)

## SUBMITTED BY

## Complete (if applicable)

Name (Print/Type)	Daniel N. Calder	Registration No. Attorney/Agent)	27,424	Telephone	(610) 407-0700
Signature	Daniel N. Calder			Date	August 26, 2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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